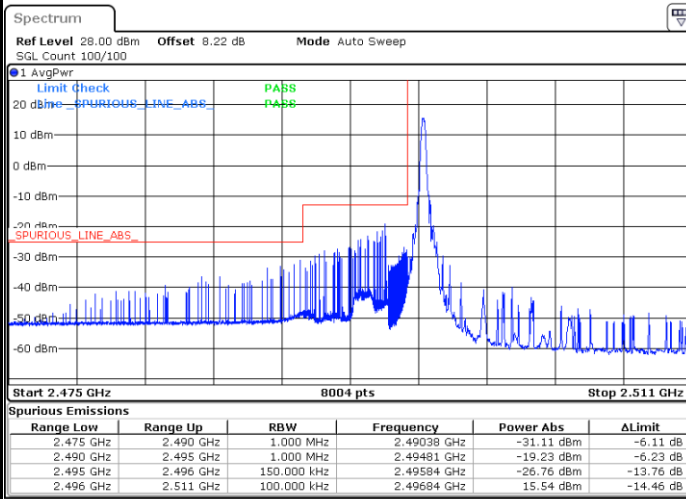


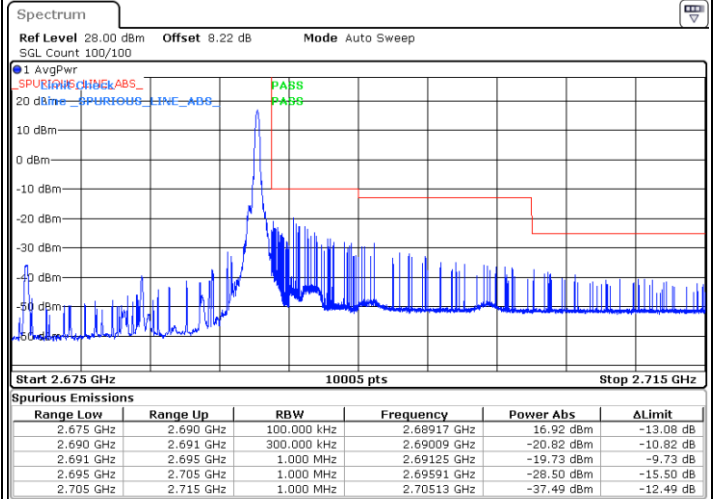


## LTE Band 41 / 15MHz / 64QAM

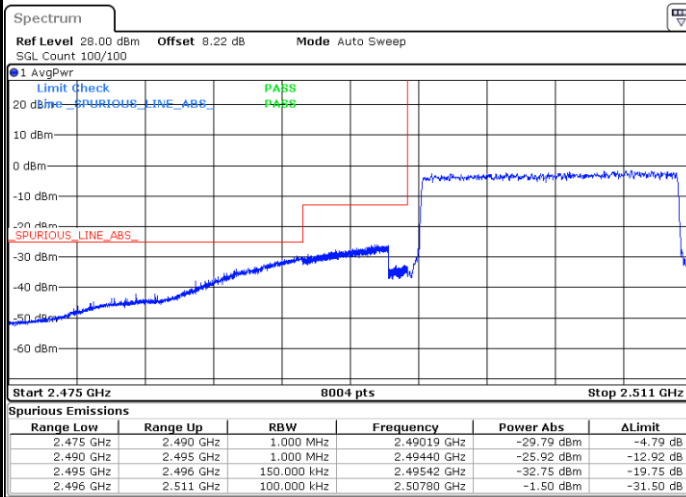
## Lowest Band Edge / 1 RB



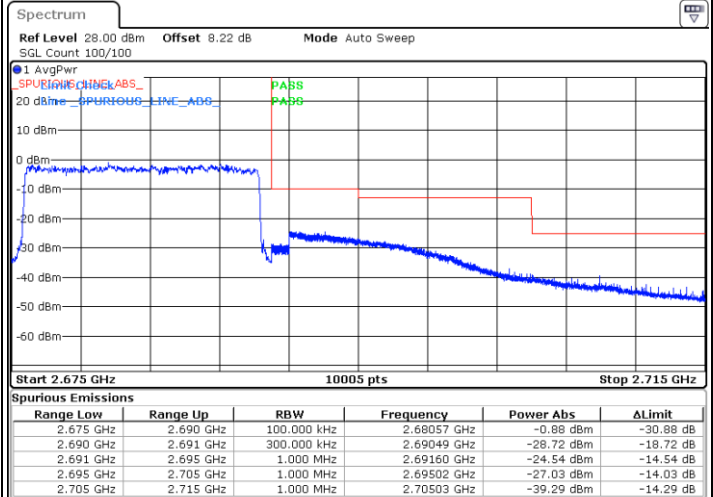
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



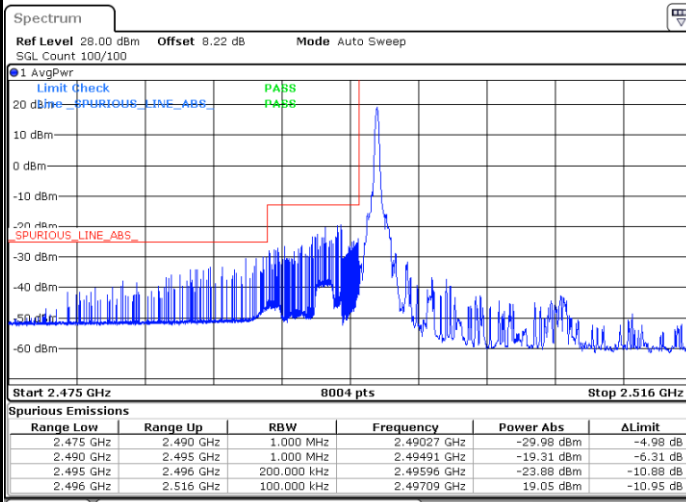
## Highest Band Edge / Full RB



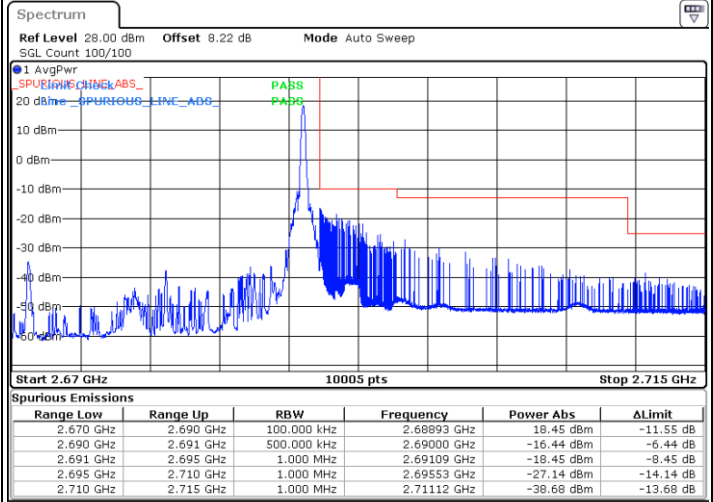


## LTE Band 41 / 20MHz / QPSK

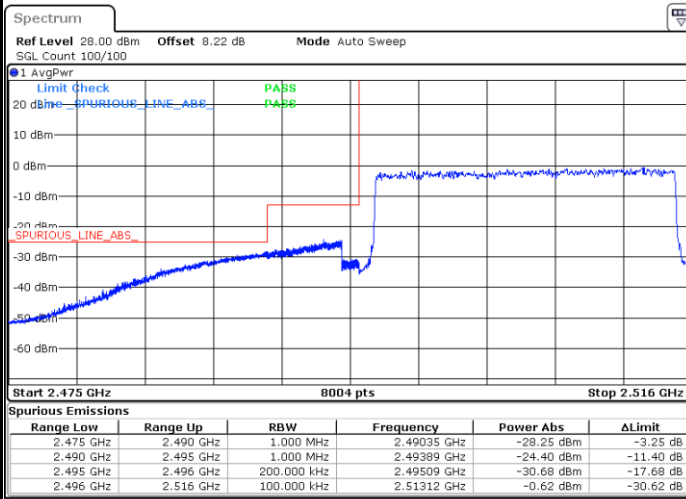
## Lowest Band Edge / 1 RB



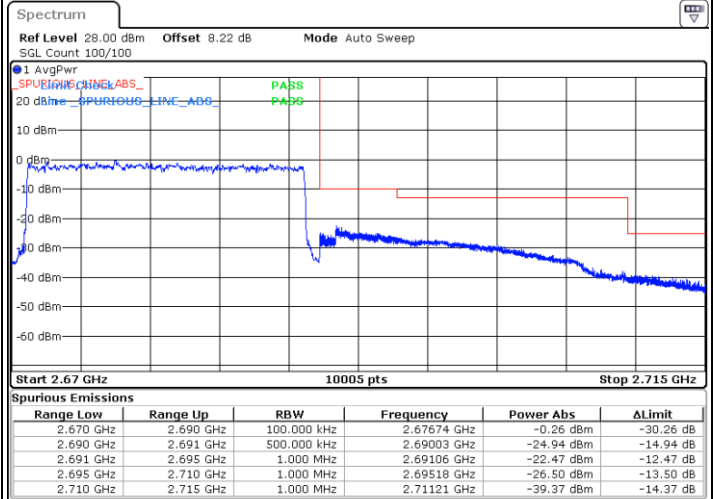
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



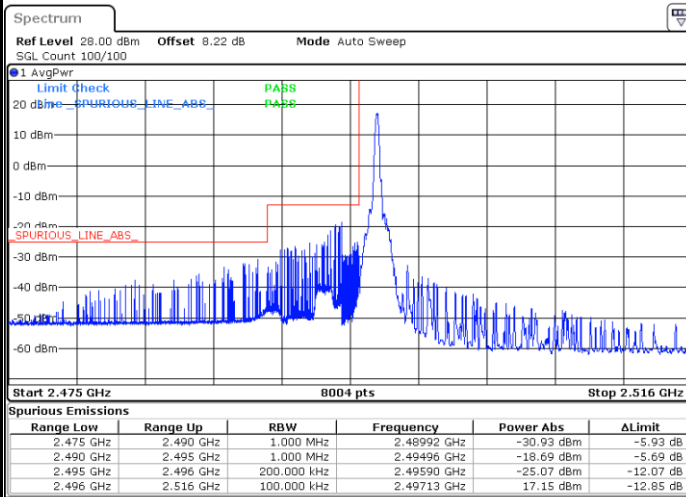
## Highest Band Edge / Full RB



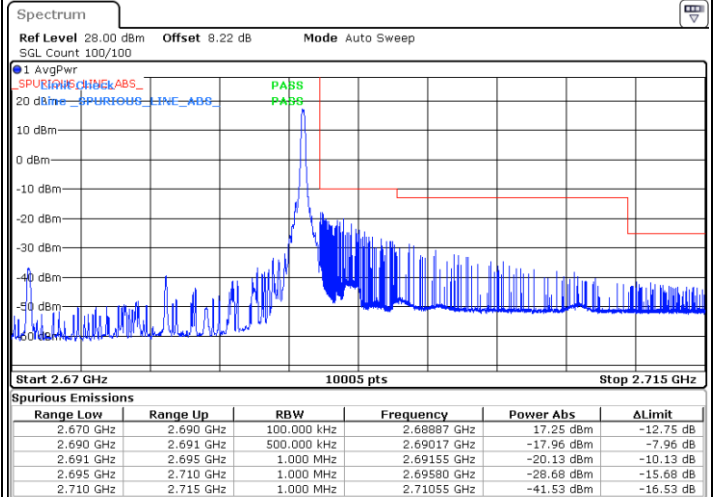


## LTE Band 41 / 20MHz / 16QAM

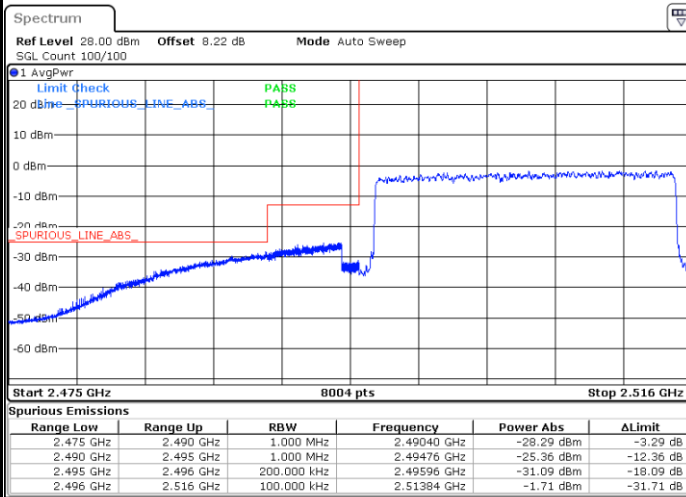
## Lowest Band Edge / 1 RB



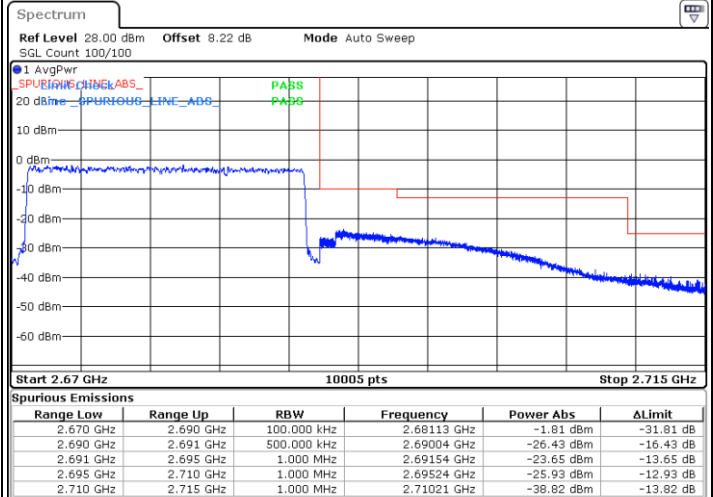
## Highest Band Edge / 1 RB



## Lowest Band Edge / Full RB



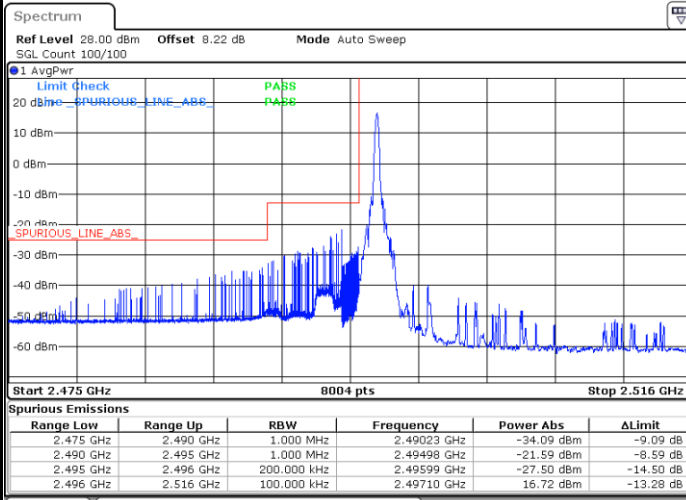
## Highest Band Edge / Full RB





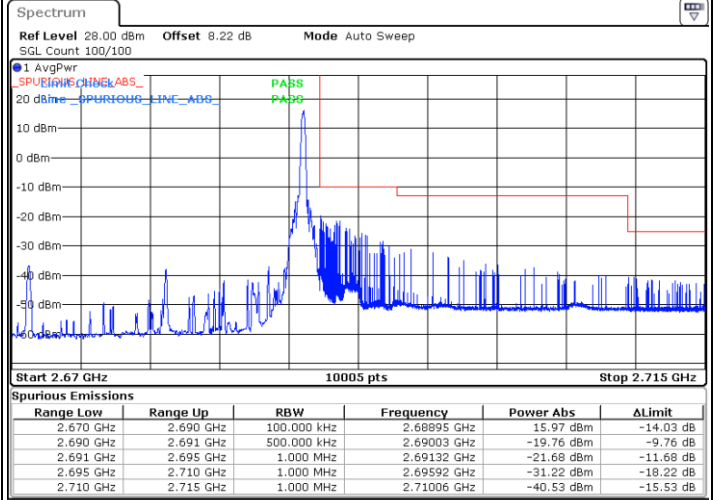
## LTE Band 41 / 20MHz / 64QAM

## Lowest Band Edge / 1 RB



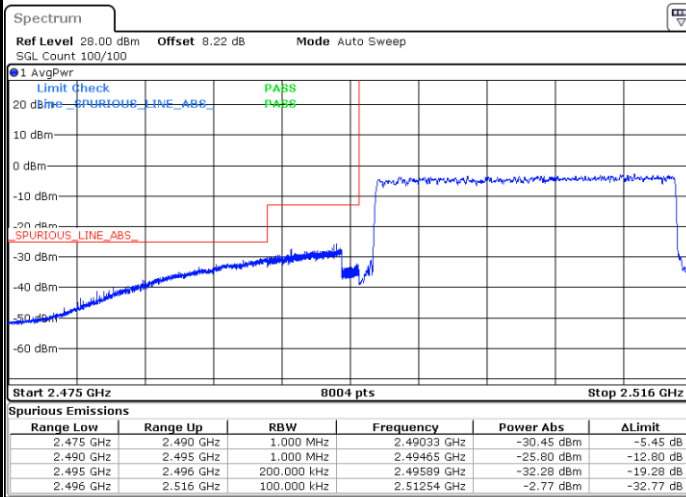
Date: 17 DEC 2021 03:17:19

## Highest Band Edge / 1 RB



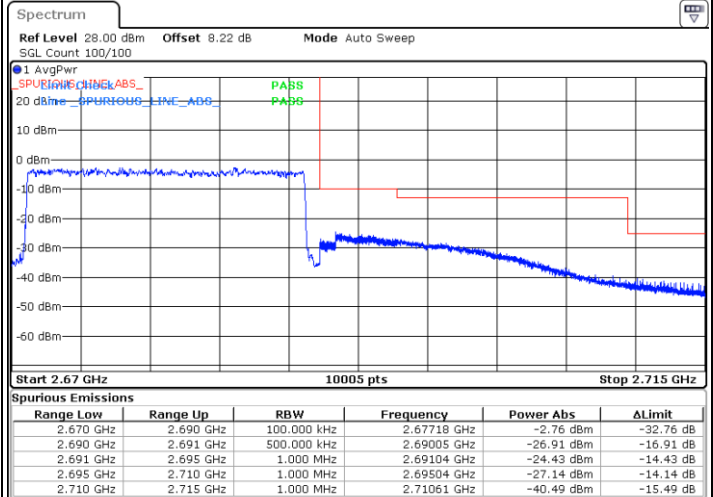
Date: 17 DEC 2021 03:24:55

## Lowest Band Edge / Full RB



Date: 17 DEC 2021 03:18:15

## Highest Band Edge / Full RB



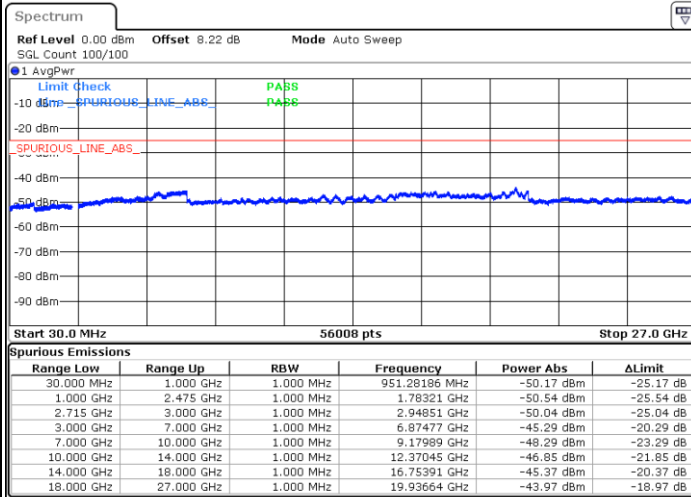
Date: 17 DEC 2021 03:25:51



## Conducted Spurious Emission

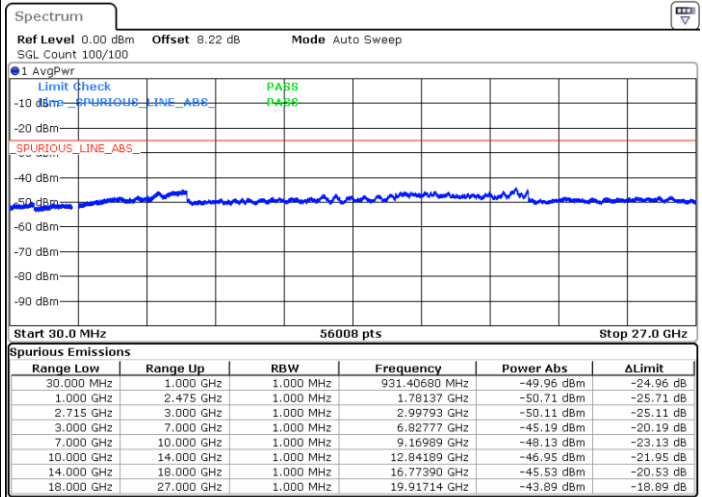
### LTE Band 41 / 5MHz

#### Lowest Channel / QPSK



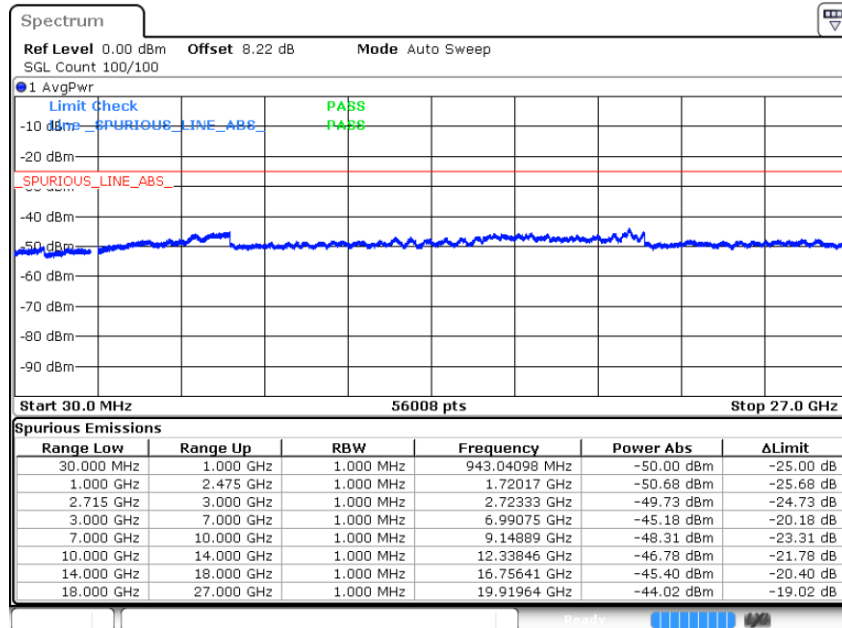
Date: 17.DEC.2021 02:20:57

#### Middle Channel / QPSK



Date: 17.DEC.2021 02:31:36

#### Highest Channel / QPSK



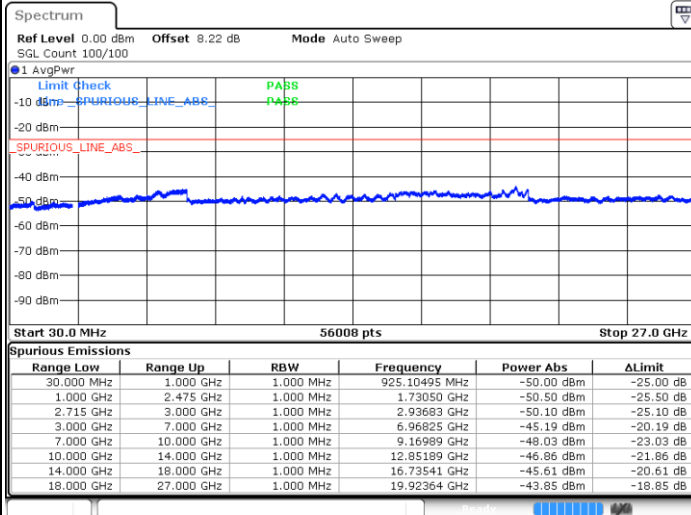
Date: 17.DEC.2021 02:32:36



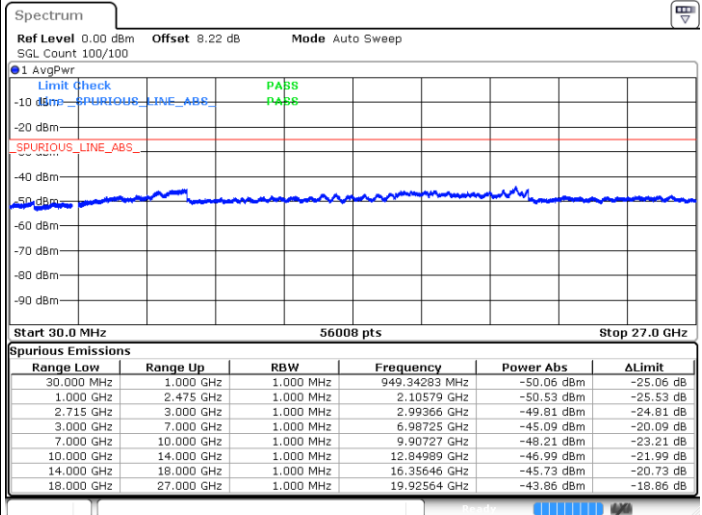
## LTE Band 41 / 10MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

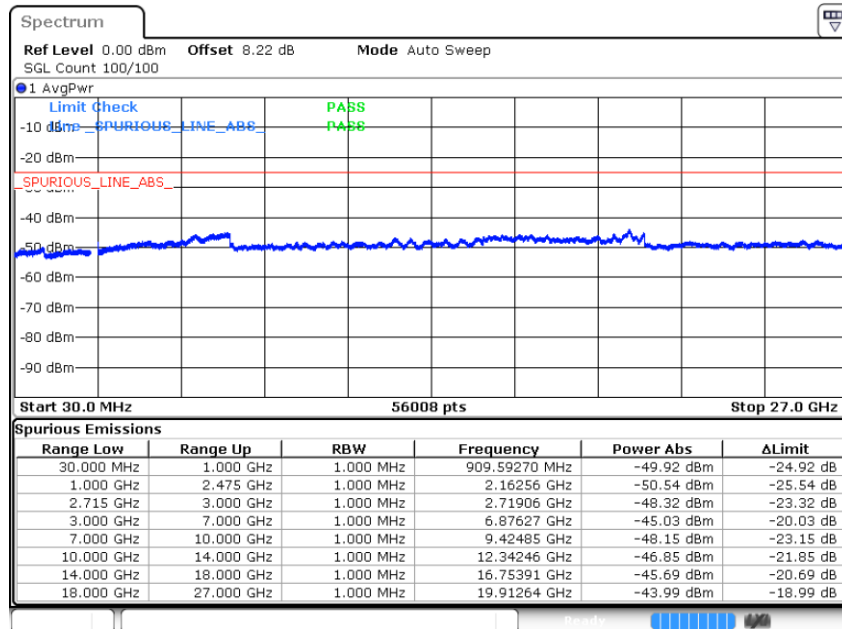


Date: 17 DEC 2021 02:43:24



Date: 17 DEC 2021 02:52:56

## Highest Channel / QPSK

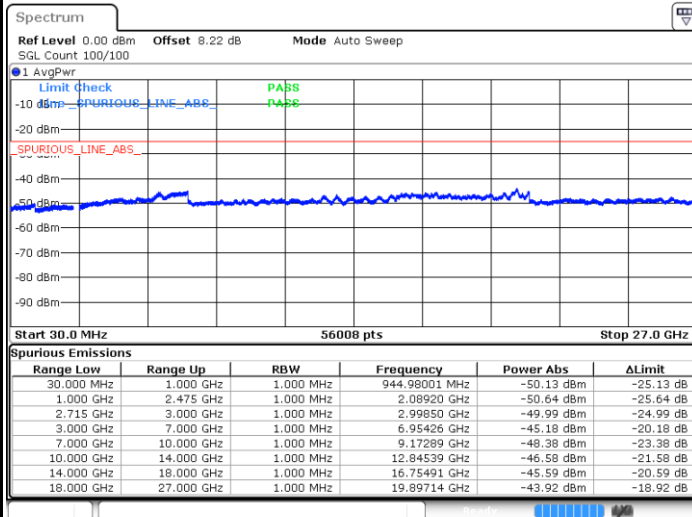


Date: 17 DEC 2021 02:53:56



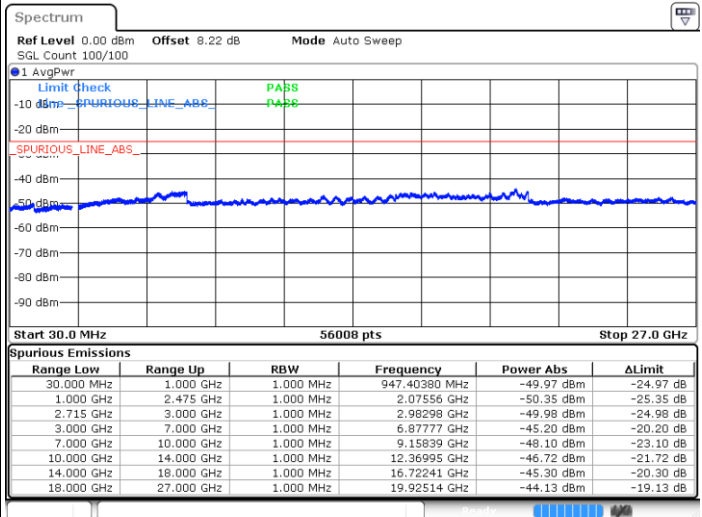
## LTE Band 41 / 15MHz

## Lowest Channel / QPSK



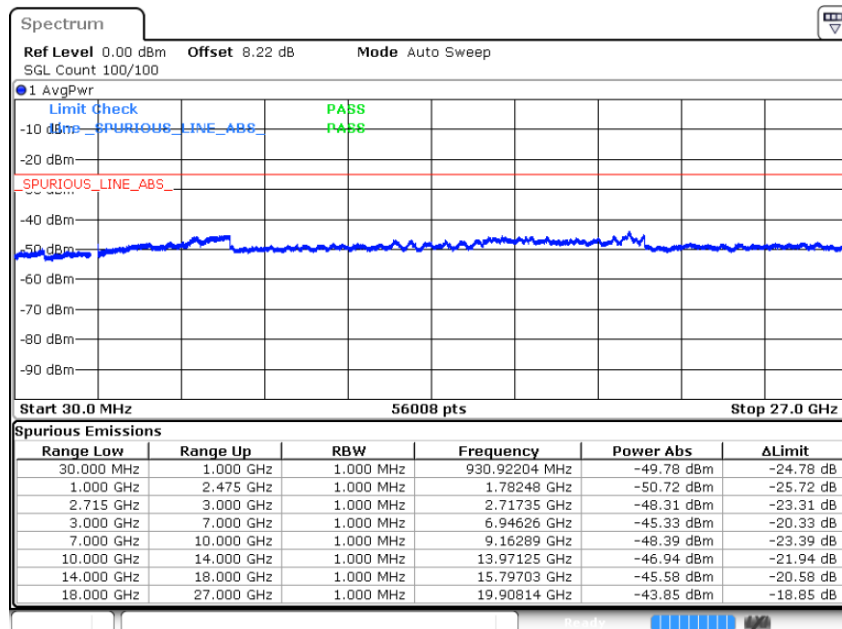
Date: 17.DEC.2021 03:00:33

## Middle Channel / QPSK



Date: 17.DEC.2021 03:07:02

## Highest Channel / QPSK



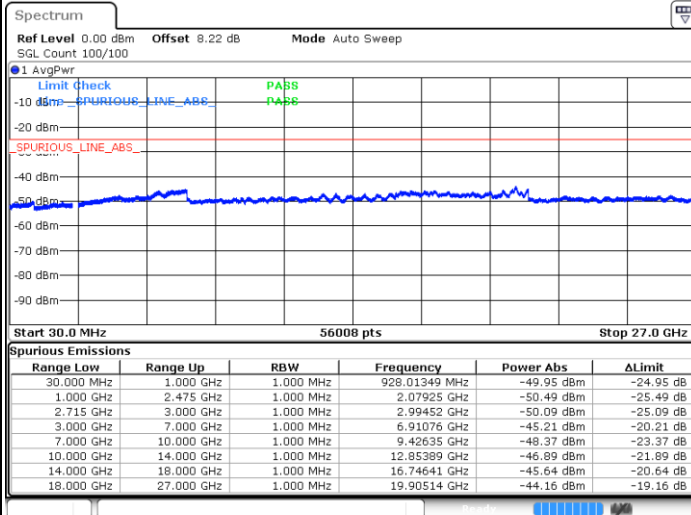
Date: 17.DEC.2021 03:08:02



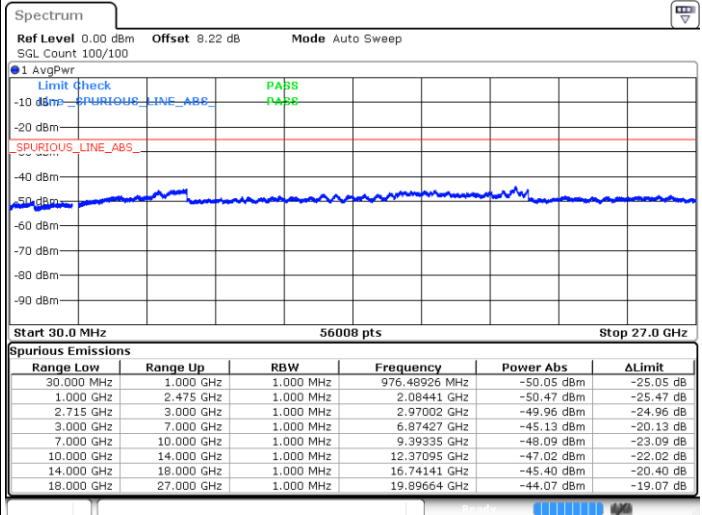
## LTE Band 41 / 20MHz

## Lowest Channel / QPSK

## Middle Channel / QPSK

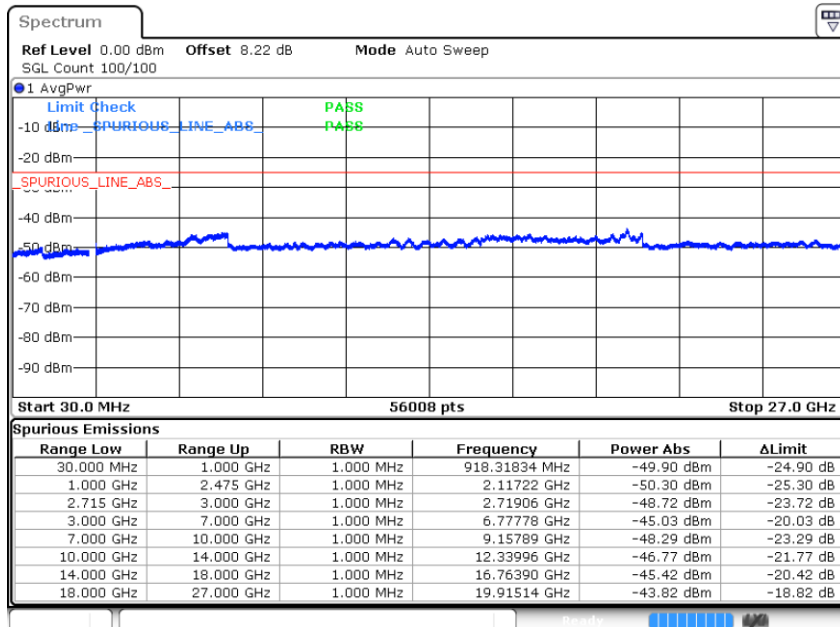


Date: 17.DEC.2021 03:14:39



Date: 17.DEC.2021 03:21:07

## Highest Channel / QPSK



Date: 17.DEC.2021 03:22:07

**Frequency Stability**

| Test Conditions  |                   | LTE Band 41 (QPSK) / Middle Channel | Limit   |
|------------------|-------------------|-------------------------------------|---------|
| Temperature (°C) | Voltage (Volt)    | BW 10MHz                            | Note 2. |
|                  |                   | Deviation (ppm)                     | Result  |
| 50               | Normal Voltage    | 0.0012                              | PASS    |
| 40               | Normal Voltage    | 0.0006                              |         |
| 30               | Normal Voltage    | 0.0002                              |         |
| 20(Ref.)         | Normal Voltage    | 0.0000                              |         |
| 10               | Normal Voltage    | 0.0013                              |         |
| 0                | Normal Voltage    | 0.0016                              |         |
| -10              | Normal Voltage    | 0.0005                              |         |
| -20              | Normal Voltage    | 0.0008                              |         |
| -30              | Normal Voltage    | 0.0003                              |         |
| 20               | Maximum Voltage   | 0.0014                              |         |
| 20               | Normal Voltage    | 0.0007                              |         |
| 20               | Battery End Point | 0.0009                              |         |

**Note:**

1. Normal Voltage =3.89V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

### Radiated Spurious Emission

#### LTE Band 4

| LTE Band 4 / 20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|---------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 3423                 | -54.59          | -13              | -41.59                  | -65.33                   | 2.604                      | 13.34                       | H                     |
|                           | 5133                 | -53.02          | -13              | -40.02                  | -63.53                   | 3.011                      | 13.52                       | H                     |
|                           | 6840                 | -52.42          | -13              | -39.42                  | -62.62                   | 3.271                      | 13.47                       | H                     |
|                           | 3423                 | -56.38          | -13              | -43.38                  | -67.12                   | 2.604                      | 13.34                       | V                     |
|                           | 5133                 | -53.55          | -13              | -40.55                  | -64.06                   | 3.011                      | 13.52                       | V                     |
|                           | 6840                 | -52.06          | -13              | -39.06                  | -62.26                   | 3.271                      | 13.47                       | V                     |
| Middle                    | 3447                 | -53.88          | -13              | -40.88                  | -64.62                   | 2.604                      | 13.34                       | H                     |
|                           | 5169                 | -53.02          | -13              | -40.02                  | -63.53                   | 3.011                      | 13.52                       | H                     |
|                           | 6888                 | -52.31          | -13              | -39.31                  | -62.51                   | 3.271                      | 13.47                       | H                     |
|                           | 3447                 | -56.37          | -13              | -43.37                  | -67.11                   | 2.604                      | 13.34                       | V                     |
|                           | 5169                 | -53.10          | -13              | -40.10                  | -63.61                   | 3.011                      | 13.52                       | V                     |
|                           | 6888                 | -52.33          | -13              | -39.33                  | -62.53                   | 3.271                      | 13.47                       | V                     |
| Highest                   | 3471                 | -55.20          | -13              | -42.20                  | -65.94                   | 2.604                      | 13.34                       | H                     |
|                           | 5208                 | -53.39          | -13              | -40.39                  | -63.90                   | 3.011                      | 13.52                       | H                     |
|                           | 6948                 | -52.89          | -13              | -39.89                  | -63.09                   | 3.271                      | 13.47                       | H                     |
|                           | 3471                 | -56.64          | -13              | -43.64                  | -67.38                   | 2.604                      | 13.34                       | V                     |
|                           | 5208                 | -53.55          | -13              | -40.55                  | -64.06                   | 3.011                      | 13.52                       | V                     |
|                           | 6948                 | -52.69          | -13              | -39.69                  | -62.89                   | 3.271                      | 13.47                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



## **LTE Band 5**

| LTE Band 5 / 10MHz / QPSK |                      |                |                  |                         |                          |                            |                             |                       |
|---------------------------|----------------------|----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                   | Frequency<br>( MHz ) | ERP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                    | 1648                 | -58.41         | -13              | -45.41                  | -65.38                   | 1.58                       | 10.70                       | H                     |
|                           | 2472                 | -61.31         | -13              | -48.31                  | -69.56                   | 2.102                      | 12.50                       | H                     |
|                           | 3300                 | -58.25         | -13              | -45.25                  | -67.14                   | 2.856                      | 13.90                       | H                     |
|                           | 1648                 | -59.24         | -13              | -46.24                  | -66.21                   | 1.58                       | 10.70                       | V                     |
|                           | 2472                 | -59.39         | -13              | -46.39                  | -67.64                   | 2.10                       | 12.50                       | V                     |
|                           | 3300                 | -58.13         | -13              | -45.13                  | -67.02                   | 2.86                       | 13.90                       | V                     |
| Middle                    | 1664                 | -55.70         | -13              | -42.70                  | -62.67                   | 1.58                       | 10.70                       | H                     |
|                           | 2496                 | -60.90         | -13              | -47.90                  | -69.15                   | 2.102                      | 12.50                       | H                     |
|                           | 3330                 | -57.92         | -13              | -44.92                  | -66.81                   | 2.856                      | 13.90                       | H                     |
|                           | 1664                 | -53.85         | -13              | -40.85                  | -60.82                   | 1.58                       | 10.70                       | V                     |
|                           | 2496                 | -59.72         | -13              | -46.72                  | -67.97                   | 2.10                       | 12.50                       | V                     |
|                           | 3330                 | -57.99         | -13              | -44.99                  | -66.88                   | 2.86                       | 13.90                       | V                     |
| Highest                   | 1680                 | -61.45         | -13              | -48.45                  | -68.42                   | 1.58                       | 10.70                       | H                     |
|                           | 2518                 | -60.01         | -13              | -47.01                  | -68.26                   | 2.102                      | 12.50                       | H                     |
|                           | 3360                 | -58.32         | -13              | -45.32                  | -67.21                   | 2.856                      | 13.90                       | H                     |
|                           | 1680                 | -61.20         | -13              | -48.20                  | -68.17                   | 1.58                       | 10.70                       | V                     |
|                           | 2518                 | -59.72         | -13              | -46.72                  | -67.97                   | 2.10                       | 12.50                       | V                     |
|                           | 3360                 | -58.58         | -13              | -45.58                  | -67.47                   | 2.86                       | 13.90                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

**LTE Band 41**

| LTE Band 41 / 20MHz / QPSK |                      |                 |                  |                         |                          |                            |                             |                       |
|----------------------------|----------------------|-----------------|------------------|-------------------------|--------------------------|----------------------------|-----------------------------|-----------------------|
| Channel                    | Frequency<br>( MHz ) | EIRP<br>( dBm ) | Limit<br>( dBm ) | Over<br>Limit<br>( dB ) | S.G.<br>Power<br>( dBm ) | TX Cable<br>loss<br>( dB ) | TX Antenna<br>Gain<br>(dBi) | Polarization<br>(H/V) |
| Lowest                     | 4992                 | -38.19          | -25              | -13.19                  | -48.40                   | 3.03                       | 13.24                       | H                     |
|                            | 7491                 | -62.99          | -25              | -37.99                  | -72.44                   | 3.56                       | 13.01                       | H                     |
|                            | 9990                 | -62.23          | -25              | -37.23                  | -71.75                   | 3.92                       | 13.44                       | H                     |
|                            | 4992                 | -39.01          | -25              | -14.01                  | -49.22                   | 3.03                       | 13.24                       | V                     |
|                            | 7491                 | -63.31          | -25              | -38.31                  | -72.76                   | 3.56                       | 13.01                       | V                     |
|                            | 9990                 | -62.25          | -25              | -37.25                  | -71.77                   | 3.92                       | 13.44                       | V                     |
| Middle                     | 5168                 | -35.65          | -25              | -10.65                  | -45.86                   | 3.03                       | 13.24                       | H                     |
|                            | 7752                 | -59.06          | -25              | -34.06                  | -68.51                   | 3.56                       | 13.01                       | H                     |
|                            | 10340                | -61.64          | -25              | -36.64                  | -71.16                   | 3.92                       | 13.44                       | H                     |
|                            | 5168                 | -37.87          | -25              | -12.87                  | -48.08                   | 3.03                       | 13.24                       | V                     |
|                            | 7752                 | -62.65          | -25              | -37.65                  | -72.10                   | 3.56                       | 13.01                       | V                     |
|                            | 10340                | -61.87          | -25              | -36.87                  | -71.39                   | 3.92                       | 13.44                       | V                     |
| Highest                    | 5340                 | -43.19          | -25              | -18.19                  | -53.40                   | 3.03                       | 13.24                       | H                     |
|                            | 8013                 | -62.10          | -25              | -37.10                  | -71.55                   | 3.56                       | 13.01                       | H                     |
|                            | 10680                | -61.25          | -25              | -36.25                  | -70.77                   | 3.92                       | 13.44                       | H                     |
|                            | 5340                 | -47.39          | -25              | -22.39                  | -57.60                   | 3.03                       | 13.24                       | V                     |
|                            | 8010                 | -62.27          | -25              | -37.27                  | -71.72                   | 3.56                       | 13.01                       | V                     |
|                            | 10680                | -61.06          | -25              | -36.06                  | -70.58                   | 3.92                       | 13.44                       | V                     |

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

————THE END————